Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
07148-108001Application No.  
09/877,476**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Jan G. Jaworski et al.Filing Date  
June 8, 2001Group Art Unit  
1645**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
gm	AL	WO 98/54954	12/10/98	PCT				
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
gm	AQ	Clemens et al., "Brassica napus 3-ketoacyl-CoA synthase (fael) mRNA, complete cds," GenBank Accession No. AF009563, XP002191552 07 October 1997
	AR	Domergue et al., "Les acyl-CoA-elongases des graines: l'autre système de synthèse d'acides gras," <u>Oct-Oleagineux Corps Gras Lipides</u> , 1999, 6(1):101-106
gm	AS	James et al., "Arabidopsis thaliana fatty acid elongase 1 (Fae1) gene, complete cds," GenBank Accession No. U29142, XP-002191553 21 July 1995
	AT	Post-Beittenmiller, "Biochemistry and Molecular Biology of Wax Production in Plants," <u>Annu. Rev. Plant Physiol. Plant Mol. Biol.</u> , 1996, 47:405-430

Not considered  
No copies provided

Examiner Signature

S7 M<sup>2</sup>ell

Date Considered

2/24/03

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07148-108001	Application No. 09/877,476
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Jan G. Jaworski et al.	
		Filing Date June 8, 2001	Group Art Unit 1645

(37 CFR §1.98(b))

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
EM	AT	Fourmann et al., "The two genes homologous to <i>Arabidopsis FAE1</i> co-segregate with the two loci governing erucic acid content in <i>Brassica napus</i> ," <i>Theor. Appl. Genet.</i> , 1998, 96:852-858
EM	AU	Ghanevati and Jaworski, "Active-site residues of a plant membrane-bound fatty acid elongase $\beta$ -ketoacyl-CoA synthase, FAE1 KCS," <i>Biochim. Biophys. Acta</i> , 2001, 1530:77-85
EM	AV	Ghanevati, "Engineering and Mechanistic Studies of Fatty Acid Elongase $\beta$ -Ketoacyl-CoA Synthase, FAE1 KCS," A Dissertation, submitted to the Faculty of Miami University, Oxford, Ohio, 2000
EM	AW	Han, " $\beta$ -Ketoacyl-CoA Synthase Gene from <i>Brassica napus</i> L.: Functional Characterization and Promoter Analysis," A Dissertation, submitted to the University of Hamburg, Hamburg, 1999
EM	AX	Han et al., "Functional characterization of $\beta$ -ketoacyl-CoA synthase genes from <i>Brassica napus</i> L.," <i>Plant Mol. Biol.</i> , 2001, 46:229-239
EM	AY	James, Jr., et al., "Directed Tagging of the Arabidopsis <i>FATTY ACID ELONGATION1 (FAE1)</i> Gene with the Maize Transposon <i>Activator</i> ," <i>Plant Cell</i> , 1995, 7:309-319
EM	AZ	Kunst et al., "Fatty acid elongation in developing seeds of <i>Arabidopsis thaliana</i> ," <i>Plant Physiol. Biochem.</i> , 1992, 30(4):425-434
EM	AAA	Lassner et al., "A Jojoba $\beta$ -Ketoacyl-CoA Synthase cDNA Complements the Canola Fatty Acid Elongation Mutation in Transgenic Plants," <i>Plant Cell</i> , 1996, 8:281-292
EM	ABB	Millar and Kunst, "Very-long-chain fatty acid biosynthesis is controlled through the expression and specificity of the condensing enzyme," <i>Plant J.</i> , 1997, 12(1):121-131
EM	ACC	Millar et al., "Accumulation of Very-Long-Chain Fatty Acids in Membrane Glycerolipids Is Associated with Dramatic Alterations in Plant Morphology," <i>Plant Cell</i> , 1998, 11:1889-1902
EM	ADD	Millar and Kunst, "The natural genetic variation of the fatty-acyl composition of seed oils in different ecotypes of <i>Arabidopsis thaliana</i> ," <i>Phytochemistry</i> , 1999, 52:1029-1033
EM	AEE	Millar et al., " <i>CUT1</i> , an Arabidopsis Gene Required for Cuticular Wax Biosynthesis and Pollen Fertility, Encodes a Very-Long-Chain Fatty Acid Condensing Enzyme" <i>Plant Cell</i> , 1999, 11:825-838
EM	AFF	Pruitt et al., "FIDDLEHEAD, a gene required to suppress epidermal cell interactions in <i>Arabidopsis</i> , encodes a putative lipid biosynthetic enzyme," <i>Proc. Natl. Acad. Sci. USA</i> , 2000, 97(3):1311-1316
EM	AGG	Roscoe et al., "Mutations in the <i>fatty acid elongation 1</i> gene are associated with a loss of $\beta$ -ketoacyl-CoA synthase activity in low erucic acid rapeseed," <i>FEBS Letters</i> , 2001, 492:107-111
EM	AHH	Todd et al., " <i>KCS1</i> encodes a fatty acid elongase 3-ketoacyl-CoA synthase affecting wax biosynthesis in <i>Arabidopsis thaliana</i> ," <i>Plant J.</i> , 1999, 17(2):119-130
EM	AII	Venkateswari et al., "Molecular Cloning and Characterization of <i>FATTY ACID ELONGATION1 (BjFAE1)</i> Gene of <i>Brassica juncea</i> ," <i>J. Plant Biochem. Biotech.</i> , 1999, 8:53-55
EM	AJJ	Yephremov et al., "Characterization of the FIDDLEHEAD Gene of Arabidopsis Reveals a Link between Adhesion Response and Cell Differentiation in the Epidermis," <i>Plant Cell</i> , 1999, 11:2187-2201

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	Applicant Jan G. Jaworski et al.		
	Filing Date June 8, 2001	Group Art Unit 1645	

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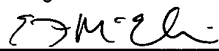
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Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
EM	AA	6,124,524	09/26/00	James, Jr. et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
EM	AB	WO 95/15387	06/08/95	PCT				
EM	AC	WO 96/13582	05/09/96	PCT				
EM	AD	WO 98/46766	10/22/98	PCT				
EM	AE	WO 01/29238	04/26/01	PCT			Abstr.	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
EM	AF	GenBank Accession No. U29142, 21, July 1995
EM	AG	GenBank Accession No. U50771, 04 April 1996
EM	AH	GenBank Accession No. AF009563, 07 October 1997
EM	AI	GenBank Accession No. AAA70154, 28 June 1995
EM	AJ	GenBank Accession No. AAA96054, 04 April 1996
EM	AK	GenBank Accession No. AAB72178, 06 October 1997
EM	AL	GenBank Accession No. AAD22309, 05 April 2000
EM	AM	GenBank Accession No. CAA71898, 19 March 1998
EM	AN	GenBank Accession No. CAB36702, 10 March 2000
EM	AO	"1999 Biochemistry and Molecular Biology of Plant Fatty Acids and Glycerolipids Symposium," National Plant Lipid Cooperative, June 9-13, 1999, South Lake Tahoe, California, P12 *Blacklock et al
EM	AP	Barret et al., "A rapeseed <i>FAE1</i> gene is linked to the E1 locus associated with variation in the content of erucic acid," <i>Theor. Appl. Genet.</i> , 1998, 96:177-186
EM	AQ	Clemens and Kunst, "Isolation of a <i>Brassica napus</i> cDNA (Accession No. AF009563) Encoding 3-Ketoacyl-CoA Synthase, a Condensing Enzyme Involved in the Biosynthesis of Very Long Chain Fatty Acids in Seeds," <i>Plant Physiol.</i> , 1997, 115:313-314.
EM	AR	Domergue et al., "Purification of the Acyl-CoA Elongase Complex from Developing Rapeseed and Characterization of the 3-Ketoacyl-CoA Synthase and the 3-Hydroxyacyl-CoA Dehydratase," <i>Lipids</i> , 2000, 35(5):487-494
EM	AS	Fiebig et al., "Alterations in <i>CER6</i> , a Gene Identical to <i>CUT1</i> , Differentially Affect Long-Chain Lipid Content on the Surface of Pollen and Stems," <i>Plant Cell</i> , 2000, 12:2001-2008

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